

## **Current Claim Listing**

**The following presents a current claim listing for the convenience of the Examiner.  
No amendments to the claims are currently submitted.**

1. (Original) A mode switching method in a mobile communication system comprising:  
providing a mode switching start point between an uplink signal and a downlink signal of a transceiver,  
resetting the mode switching start point based on length of a guard period provided between the uplink signal and the downlink signal; and  
starting mode switching at the mode switching start point.
2. (Original) The method of claim 1, wherein the providing step comprises:  
determining a mode switching time (MST) of the transceiver;  
determining a minimum guard period ( $GP_{min}$ ) of the transceiver;  
determining whether the MST is greater than the  $GP_{min}$ ; and  
determining the mode switching start point reset, if the MST is greater than the  $GP_{min}$ .
3. (Original) The method of claim 1, wherein the resetting step comprises:  
determining an advancing time offset ( $\Delta t$ ) based on a minimum guard period ( $GP_{min}$ );  
and  
setting the mode switching start point before a start point of the minimum guard period ( $GP_{min}$ ) of the transceiver based on a mode switching signal.
4. (Original) The method of claim 3, wherein the mode switching start point is determined by determining a time deference between the advancing time offset ( $\Delta t$ ) and the start point of  $GP_{min}$ .
5. (Original) The method of claim 3, wherein the advancing time offset ( $\Delta t$ ) is shorter than the  $GP_{min}$ .
6. (Original) The method of claim 2, wherein the step of resetting comprises:

determining an advancing time offset ( $\Delta t$ ) shorter than the  $GP_{min}$ ; and  
setting the mode switching start point before a start point of a minimum guard period  
( $GP_{min}$ ) of the system based on a mode switching signal.

7. (Original) The method of claim 6, wherein the mode switching start point is determined by determining the time difference between the advancing time offset ( $\Delta t$ ) and the start point of  $GP_{min}$ .

8. (Original) The method of claim 7, wherein the advancing time offset ( $\Delta t$ ) is shorter than the  $GP_{min}$ .

9. (Original) The method of claim 8, further comprising performing mode switching based on the mode switching start point.

10. (Original) A mode switching method comprising:  
providing a mode switching start point between an uplink signal and a downlink signal of a transceiver;  
determining an advancing time offset ( $\Delta t$ ) based on a minimum guard period ( $GP_{min}$ );  
setting the mode switching start point before a start point of the  $GP_{min}$  of the transceiver based on a mode switching signal;  
starting mode switching at the mode switching start point;  
determining a mode switching time (MST) of the transceiver;  
determining whether the MST is greater than the  $GP_{min}$ ; and  
determining the mode switching start point reset, if the MST is greater than the  $GP_{min}$ .

11. (Original) A mode switching system in a mobile communication system comprising:  
means for providing a mode switching start point between an uplink signal and a downlink signal of a transceiver,  
means for resetting the mode switching start point based on length of a guard period provided between the uplink signal and the downlink signal; and  
means for starting mode switching at the mode switching start point.

12. (Original) The system of claim 11, wherein the providing step comprises:  
determining a mode switching time (MST) of the transceiver;  
determining a minimum guard period ( $GP_{min}$ ) of the transceiver;  
determining whether the MST is greater than the  $GP_{min}$ ; and  
determining the mode switching start point reset, if the MST is greater than the  $GP_{min}$ .
13. (Original) The system of claim 11, wherein the resetting means comprises:  
means for determining an advancing time offset ( $\Delta t$ ) based on a minimum guard period ( $GP_{min}$ ); and  
means for setting the mode switching start point before a start point of the minimum guard period ( $GP_{min}$ ) of the transceiver based on a mode switching signal.
14. (Original) The system of claim 13, wherein the mode switching start point is determined by determining a time deference between the advancing time offset ( $\Delta t$ ) and the start point of  $GP_{min}$ .
15. (Original) The system of claim 13, wherein the advancing time offset ( $\Delta t$ ) is shorter than the  $GP_{min}$ .
16. (Original) The system of claim 12, wherein the resetting means comprises:  
determining an advancing time offset ( $\Delta t$ ) shorter than the  $GP_{min}$ ; and  
setting the mode switching start point before a start point of a minimum guard period ( $GP_{min}$ ) of the system based on a mode switching signal.
17. (Original) The system of claim 16, wherein the mode switching start point is determined by determining the time difference between the advancing time offset ( $\Delta t$ ) and the start point of  $GP_{min}$ .
18. (Original) The system of claim 17, wherein the advancing time offset ( $\Delta t$ ) is shorter than the  $GP_{min}$ .

19. (Original) The system of claim 18, further comprising performing mode switching based on the mode switching start point.

20. (Original) A mode switching system comprising:

means for providing a mode switching start point between an uplink signal and a downlink signal of a transceiver;

means for determining an advancing time offset ( $\Delta t$ ) based on a minimum guard period ( $GP_{min}$ );

means for setting the mode switching start point before a start point of the  $GP_{min}$  of the transceiver based on a mode switching signal;

means for starting mode switching at the mode switching start point;

means for determining a mode switching time (MST) of the transceiver;

means for determining whether the MST is greater than the  $GP_{min}$ ; and

means for determining the mode switching start point reset, if the MST is greater than the  $GP_{min}$ .